

Abstract of the Disclosure

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A method of performing a series of dialysis procedures with a catheter system which includes (i) a guide catheter having a distal guide orifice, a proximal guide orifice, and a guide lumen extending therebetween, (ii) an original conduit having an original distal orifice, and (iii) a replacement conduit having a replacement distal orifice is disclosed. The method includes the step of securing a guide catheter to a body of a patient so that the guide catheter is at least partially positioned within a blood vessel of the body. The method further includes the step of positioning the original conduit within the guide catheter, while the guide catheter is secured to the body, so that the original distal orifice is advanced through the guide lumen and out of the distal guide orifice, whereby the original distal orifice is positioned outside of the guide lumen and within the blood vessel. In addition, the method includes the step of performing at least one dialysis procedure on the patient using the original conduit while the original conduit is positioned within the guide catheter and the original distal orifice is positioned outside of the guide lumen and within the blood vessel. Moreover, the method includes the step of removing the original conduit from the guide lumen of the guide catheter after the original conduit becomes at least partially occluded by blood clot build-up. Further, the method includes the step of positioning the replacement conduit within the guide catheter, while the guide catheter is secured to the body, so that the replacement distal orifice is advanced through the guide lumen and out of the distal guide orifice, whereby the replacement distal orifice is positioned outside of the guide lumen and within the blood vessel. Also, the method includes the step of performing at least one dialysis procedure on the patient using the replacement conduit while the replacement conduit is positioned within the guide catheter and the original distal orifice is positioned outside of the guide lumen and within the blood vessel. An associated catheter system is also disclosed.